Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 27 Jul 2023 until 23:59 on Friday 28 Jul 2023

Forecast Issued on Thursday 27 Jul 2023 at 02:09

Confidence: High for the continuation of the very changeable conditions, with showery days interspersed by generally wetter and windier periods. Much lower confidence in the details, particularly with timing of rain clearance on Thursday.

Headline for Thursday 27 Jul 2023: Early rain clearing to give some brightness.

Mountain weather hazards on Thursday 27 Jul 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Drizzle	Dull	Cloudy	Cloudy	Partly cloudy (night)
Precipitation probability					
70%	60%	40%	30%	20%	10%

Forecast for Thursday 27 Jul 2023

Weather: Damp and murky to begin the day, with periods of light rain and drizzle slow to clear during the morning. Some low cloud covering summits. Turning drier through the day, with bright spells developing in the east, but an ongoing chance of showers or pockets of drizzle, and the odd chance of a heavier burst during the afternoon.

Chance of cloud-free hill tops above 600m: 10% becoming 80% during the afternoon.

Low cloud and visibility: Poor visibility at height, with cloud as low as 200-300m, but very poor in any spell of rain or drizzle. The cloud will lift and break but the highest hills will never remain free of cloud for very long, particularly in the west of the park. Becoming mediocre to good by the afternoon but rather hazy air persisting with visibilities quickly dropping in any further drizzly showers.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Thursday 27 Jul 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	16/20 SW	20/26 W	20/27 W	18/26 W	15/22 W	11/15 W	10/14 SW
300	11/16 SW	13/18 W	15/22 W	15/23 W	11/17 W	6/9 SW	7/12 SW
Valley	7/15 SW	10/19 W	12/22 W	11/20 W	9/18 W	4/10 W	4/11 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/11	14/11	14/11	15/11	14/12	13/11	12/11
300	15/13	15/13	16/14	18/15	17/15	15/15	15/14
Valley	15/14	16/14	16/15	18/16	17/16	16/16	15/15
Freezing Level*	3100m	3000m	3000m	3000m	2900m	2800m	2600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Extensive low cloud will give widespread poor visibility during the morning and create difficult navigation, particularly on unfamiliar and featureless terrain. A warm and muggy feeling day with high humidity.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Wed 26 Jul 2023	5.8mm	9.6mm	22.4mm

Forecast for Friday 28 Jul 2023

Weather: Rather cloudy to start but becoming brighter to give a breezy day with isolated, mostly light, showers

Maximum wind: South-westerly 15mph, gusting 25mph.

Chance of cloud-free hill tops above 600m: 80% to start becoming 90% into the day.

Low cloud and visibility: Some patchy cloud above around 500-600m to start the day but these tending to lift and break through the morning to leave generally good visibility and cloud free tops outside of any light showers.

Temperature: **Valleys:** Plus 14 Celsius becoming Plus 18 Celsius.
At 600m: Plus 11 Celsius becoming Plus 15 Celsius.
Freezing level: Well above summits.

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